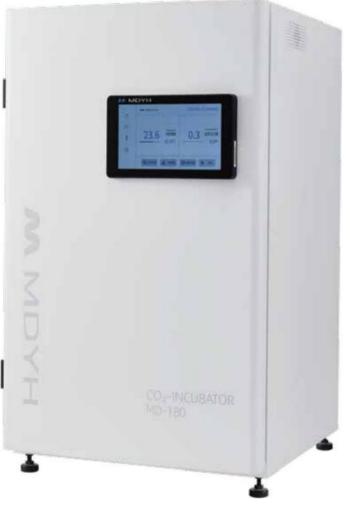
CO₂ Incubator MD-120/180/240



~~~

900

9.0

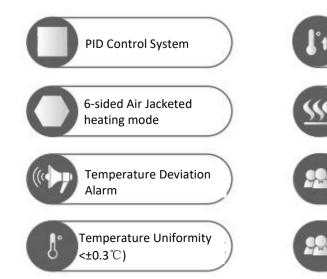
Infrared CO<sub>2</sub> Sensor

Built-in HEPA

Ergonomic Design

140°C Dry Heat Disinfect

## **Unique Advantages**





## Key Features

| Data Manage:                   | Real-time view of parameter curves: temperature, CO2 concentration                                                                                        |  |  |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Touch Screen:                  | 10-Inch color touch screen, clear and Intuitive display, USB interface f                                                                                  |  |  |
| CO <sub>2</sub> Control:       | Imported infrared (IR) CO <sub>2</sub> sensor, not affected by temperature and h                                                                          |  |  |
| Fast CO <sub>2</sub> Recovery: | $CO_2$ content recovers to 5% of set level within 5Min. , after opening of                                                                                |  |  |
| Temperature Control:           | High-precision temperature sensor to ensure accurate control of Cha                                                                                       |  |  |
|                                | 6 sided heating can prevent generating condensate, it avoids breeding environment.                                                                        |  |  |
| Contamination Prevent:         | 140 $^\circ\!{\rm C}$ dry heat disinfection on the chamber to provide safe experime Built-in HEPA can quickly maintain the air cleanliness to ISO5 level. |  |  |
|                                | Air inlet equipped with HEPA to effectively block bacteria and dust pa                                                                                    |  |  |
|                                | With heating function, outer door can effectively prevent inner glass f contamination.                                                                    |  |  |
|                                | Optional 90 $^{\circ}\mathrm{C}$ moist heat disinfection.                                                                                                 |  |  |
| Humanized Design:              | Detachable, anti-dumping, integrated shelf can be disassembled with                                                                                       |  |  |
|                                | HEPA is easy to disassemble and install without tools.                                                                                                    |  |  |
|                                | Visual glass door for easy experiment observation.                                                                                                        |  |  |
| Safety System:                 | Alarm of High temperature, low temperature and over-heated\cooling                                                                                        |  |  |
|                                | $CO_2$ content excess or too low\Disinfect palm rejection\HEPA replace                                                                                    |  |  |
| Integrated Chamber:            | SS304 material, corrosion-resistant, 100% arc design, no dead corners                                                                                     |  |  |
|                                | Optional bacterial-control stainless steel.                                                                                                               |  |  |
| Test Hole:                     | Connected to external sensors of temperature, CO2 content, humidity                                                                                       |  |  |
|                                | Cables can be introduced through it, ensuring sealing of Chamber.                                                                                         |  |  |
| Sampling Hole:                 | Chamber parameters such as temperature and gas content can be me                                                                                          |  |  |
|                                |                                                                                                                                                           |  |  |

## **Technical Parameters**

| Name                                                  | CO <sub>2</sub> Incubator    |                       |                                            |
|-------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------|
| Model(L)                                              | MD-120/180/240               | Alarm parameter setup | Upper deviation: 0~+1                      |
| Control system                                        | PID control                  | Humidification        | Natural                                    |
| Heating method                                        | Air-jacketed                 | Humidity range, %RH   | Up to 95%                                  |
| Temperature range ℃                                   | Ambient temperature +3~60    | Dimensions            | 560X620X710mm                              |
| Temperature control accuracy ℃                        | ±0.1                         | (excluding feet)      | 580X640X940mm                              |
|                                                       |                              |                       | 680X740X860mr                              |
| Temperature uniformity℃                               | ±0.3                         | Chamber size          | 480X500X500mm                              |
| Alarm setting Max. deviation                          | <b>0~+5</b> ℃                |                       | 500X520X710mm                              |
|                                                       |                              |                       | 600X620X650mm                              |
| Alarm setting Min. deviation                          | <b>-5~0</b> ℃                | Power supply          | AC220±10%,50-60Hz                          |
| Ambient temperature                                   | <b>18~30</b> ℃               | Volume                | 120L/180L/240L                             |
| Disinfection                                          | Standard 140℃ dry heat,      | Chamber               | SS304 mirror,                              |
|                                                       | Optional 90℃ moist heat / UV |                       | Optional bacterial-control stainless steel |
| CO <sub>2</sub> concentration range, %CO <sub>2</sub> | 0-20                         | Housing               | Carbon steel coated                        |
| CO <sub>2</sub> control accuracy, %CO <sub>2</sub>    | ±0.1                         | Power                 | 1200W                                      |
| CO <sub>2</sub> Sensor                                | IR infrared sensor           |                       |                                            |

n, and O<sub>2</sub> concentration; Data logging and download function. for Data output.

M MDYH

- humidity changes, stable control and long service life.
- door for 30Sec, achieving rapid stability and uniformity. amber temperature.
- ng bacteria and causing contamination to the cultivation

ental environment.

articles  $\geq 0.3 \mu m$  in CO<sub>2</sub> gas.

from generating condensate, avoids risk of microbial

hout tools.

ng fan automatic start and stop e alert. rs, easy to clean, effectively prevent contamination.

ty, and etc.

neasured through it.